

# Asphalt Pavement Crack Repair-SR 191, MM 15 +/- Using Deery Level & Go Mastic

## Final Report

**Experimental Feature X(05)14 – New Products**

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June 2006

## **Introduction**

Asphalt pavements repairs for spalls, large shrinkage cracks and damaged areas require proper preparation and repair on low volume roads. SR 191 at MM15 +/- has major transverse cracking from 2 to 5 inches in width. Rather than redo the roadway and a prohibitive cost Region 4, Price District called for volunteers to show their wares on how to repair the cracks.

## **Background Information**

Region 4, Price District required some sort of economic repair for SR 191 at MM 15 +/- just south of Bluff. SR 191 is a low volume roadway and there is no money for a redo of the extremely wide transverse cracks. A determination was made to invite different processes in repairing wide transverse crack to install their products and compare the value of each.

## **Construction Information**

Deery American Corporation, Mr. Sam Kearl, installed 6 or 7 joints with a level and go hot applied mastic utilizing an aggregate filler for the larger cracks to facilitate the integrity of the repair. The material was installed in the spring of 2005. The material cost was \$ 0.70 per pound and around 700 pounds were used in this installation. A mixing type of hot mastic was utilized to heat and mix the product before application.

## **Goal**

Review the installation process and determine how effective the Deery mastic was in repairing the wide transverse cracks. A visual evaluation was performed by Utah Department of Transportation, Research Division, was performed the second week of May 2006 and the product was doing quite well and will be considered at a viable process as regards asphalt crack repair, both longitudinal and transverse and potholes.

## **Results and Recommendations**

The product has performed quite well and will be considered as a viable process as regards asphalt crack repair, both longitudinal and transverse and potholes.



